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**WILLIAMS, MORGAN & AMERSON, P.C.**7676 HILLMONT, SUITE 250, HOUSTON, TX 77040  
(713) 934-7000 Fax (713) 934-7011

Danny L. Williams  
Terry D. Morgan  
J. Mike Amerson  
Kenneth D. Goodman  
Barbara S. Kitchell, Ph.D.  
Jeffrey A. Pyle  
Ruben S. Bains  
Jaison C. John  
Randall C. Furlong, Ph.D.

RANDALL C. FURLONG, PH.D.  
(713) 934-4061

Charge 01-0365

101-690

103-216

102-156

1062

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George J. Oehling\*  
Shelley P.M. Fussey, Ph.D.\*  
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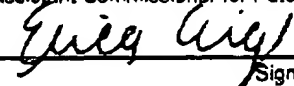
\*Patent Agent

File: 2000.046600

August 9, 2000

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

EXPRESS MAIL RECEIPT	
NUMBER:	EL 522 492 654 US
DATE OF DEPOSIT:	August 9, 2000
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.	
 Signature	

RE: U.S. Patent Application Entitled:  
**IMPROVED DEPTH OF FOCUS (DOF) FOR TRENCH-FIRST-VIA-LAST (TFVL) DAMASCENE PROCESSING WITH HARD MASK AND LOW VISCOSITY PHOTORESIST**  
Inventor(s): Christian Zisl, Ting Yiu Tsui and Steven Keetai Park  
Client Ref.: TT3851; Our Ref.: 2000.046600

Sir:

Transmitted herewith for filing are:

- (1) 27-page patent specification with 32 claims and an abstract (also Figures 1-6 on 3 sheets);
- (2) Declaration;
- (3) Power of Attorney; and
- (4) Assignment and Assignment Cover Sheet

All correspondence, notices, official letters and other communications should be directed Randall C. Furlong, Ph.D., Williams, Morgan & Amerson, P.C., 7676 Hillmont, Suite 250, Houston, TX 77040, and all telephone calls should be directed to Randall C. Furlong, Ph.D. at (713) 934-4061.

WILLIAMS, MORGAN & AMERSON, P.C.

Assistant Commissioner for Patents

August 9, 2000

Page 2

The Assistant Commissioner is authorized to deduct the amount of the total filing fee (listed below) from Advanced Micro Devices, Inc. Deposit Account No. 01-0365/TT3851.

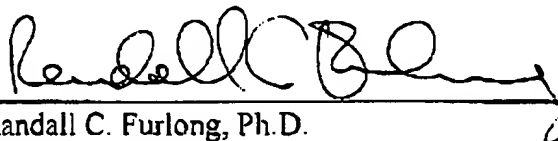
### FILING FEE CALCULATION

FOR		Small Entity	Large Entity
Total Claims	32 - 20 = 12	x \$9 = \$	or x \$18 = \$ 216.00
Independent Claims	5 - 3 = 2	x \$39 = \$	or x \$78 = \$ 156.00
Multiple Dependent Claim(s)		+ \$130 = \$	or + \$260 = \$ 0.00
Basic Fee:		+ \$345 = \$	or + \$690 = \$ 690.00
Assignment Recording Fee: (\$40 per assignee)		+ = \$	+ = \$ 120.00
<b>TOTAL FILING FEES</b>		<b>\$ <u>0.00</u></b>	<b>\$ <u>1,182.00</u></b>

Pursuant to 37 C.F.R. § 1.10, applicant requests the Patent and Trademark Office to accept this application and accord a serial number and filing date as of the date this application is deposited with the U.S. Postal Service for Express Mail.

Please date stamp and return the enclosed postcards to evidence receipt of these materials.

Respectfully submitted,



Randall C. Furlong, Ph.D.

Reg. No. 35,144

WILLIAMS, MORGAN & AMERSON, P.C.

7676 Hillmont, Suite 250

Houston, TX 77040

(713) 934-4061

AGENT FOR APPLICANT

RCF/kd

Enclosures

cc: Ms. Samantha Cardona (w/ encl.)  
 Ms. Mary Paul (w/o encl.) [firm]  
 Ms. Wendy Vincent (w/o encl.) [firm, docketing]

## WILLIAMS, MORGAN &amp; AMERSON, P.C.

7676 Hillmont, Suite 250, Houston, TX 77040  
(713) 934-7000 Fax (713) 934-7011

# Fax

09/634,209

**To:** Attn: Ms. Day **From:** Yolanda Murillo for Scott F. Diring

---

**Fax:** 703-308-7749 **Phone:** 713-934-4072

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**No. of Pages:** 9 **Date:** July 30, 2002

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**Re:** **File:** 2000.046600

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☒ **Urgent** ☐ **For Review** ☐ **For Your File** ☐ **Please Reply** ☐ **Please Handle**

\* w/o coversheet

ORIGINAL: \_\_\_ Will follow xx Will not follow

• **Comments:**

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**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being facsimile transmitted to the Patents and Trademark Office, Washington D.C., 20231, on the date below.

10/19/00  
DATE

Kathy Jones  
SIGNATURE

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
CHRISTIAN ZISTL  
TING YIU TSUI  
STEVEN KEETAI PARK

Group Art Unit: 2811

Examiner: Unknown

Serial No.: 09/634,209

Atty. Dkt. No.: 2000.046600/TT3851/RCF

Filed: August 9, 2000

For: IMPROVED DEPTH OF FOCUS (DOF)  
FOR TRENCH-FIRST-VIA-LAST (TFVL)  
DAMASCENE PROCESSING WITH  
HARD MASK AND LOW VISCOSITY  
PHOTORESIST

**RESPONSE TO 37 C.F.R. § 1.53(f) NOTICE****BOX MISSING PART**

Assistant Commissioner for Patents  
Washington, D.C. 20231

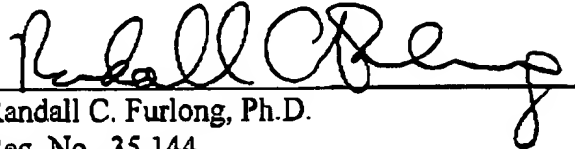
Sir:

In response to the Notice to File Missing Parts of Application Under 37 C.F.R. § 1.53(f), dated October 5, 2000, there are enclosed herewith:

- (a) A copy of the PTO Transmittal Letter originally sent to the PTO Office August 9, 2000 authorizing the PTO office to deduct the amount of the total filing fee from Advanced Micro Devices, Inc. Deposit Account No. 01-0365/TT3851/RCF;

- (b) A photocopy of the Patent Postcard evidencing PTO's receipt of same; and,
- (d) A copy of Notice to File Missing Parts of Application-Filing Date Granted.

Respectfully submitted,



Randall C. Furlong, Ph.D.  
Reg. No. 35,144

WILLIAMS, MORGAN & AMERSON  
7676 Hillmont, Suite 250  
Houston, Texas 77040  
(713) 934-7000

Attorney for Applicant

Date: October 19, 2000



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/634,209	08/09/2000	Ting Yiu Tsui	2000.046600

Randall C Furlong Ph D  
Williams Morgan & Amerson PC  
Suite 250  
7676 Hillmont  
Houston, TX 77040

CONFIRMATION NO. 4199

ABANDONMENT/TERMINATION  
LETTER

\*0C000000008496384\*

Date Mailed: 07/23/2002

## NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 10/05/2000.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to "Office of Petitions" at (703) 305-9282.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



Please indicate receipt of the below-identified paper:

New Application For:	U.S. LETTERS PATENT	Priority Date:	<b>ORIGINAL</b>
<input type="checkbox"/> Foreign priority already claimed			
<input type="checkbox"/> Continuation	<input type="checkbox"/> CIP	<input type="checkbox"/> Divisional	
<input checked="" type="checkbox"/> Specification: 27 Pages	<input checked="" type="checkbox"/> Drawings: 3 Sheets		
Response to Office Action Dated:	<input type="checkbox"/> Final Rejection		
Other: TRANSMITTAL LETTER; DECLARATION; POWER OF ATTORNEY; ASSIGNMENT COVER SHEET			
Assignment Enclosed	<input type="checkbox"/> Cert. of Timely Mailing	<input checked="" type="checkbox"/> Exp. Mail: EL522492654US	

**IDENTIFICATION OF APPLICATION**

Serial No.:	
Title: IMPROVED DEPTH OF FOCUS (DOF) FOR TRENCH-FIRST-VIA-LAST (TFVL) DAMASCENE PROCESSING WITH HARD MASK AND LOW VISCOSITY PHOTORESIST	
Applicant: Christian Zistl, Ting Yiu Tsui and Stephen Keetai Park	Attorney: TDM
Client: AMD, INC.	File No.: 2000.046600/TT3851
Mailed: August 9, 2000	Filed: August 9, 2000
Due Date: --	

U.S. PTO  
09/634209  
00/09/00**BUSINESS REPLY MAIL**

FIRST-CLASS MAIL PERMIT NO 2723 HOUSTON TX

POSTAGE WILL BE PAID BY ADDRESSEE

ATTN DOCKETING  
WILLIAMS MORGAN & AMERSON P C  
7676 HILLMONT ST STE 250  
HOUSTON TX 77040-9779

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UNITED STATES





**WILLIAMS, MORGAN & AMERSON, P.C.**

7676 Hillmont, Suite 250, Houston, TX 77040  
(713) 934-7000 Fax (713) 934-7011

# Fax

<b>To:</b>	Attn: Vernon	<b>From:</b>	Kathryn Danas
<b>Fax:</b>	703 308-7751	<b>Phone:</b>	713 934-4076
<b>No. of Pages:</b>	* 4 6	<b>Date:</b>	October 19, 2000
<b>Re:</b>	2000.046600/TT3851	<b>File:</b>	S/N 09/634,209

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ORIGINAL: \_\_\_ Will follow   \_\_\_ Will not follow

• **Comments:**

Dear Vernon,

This is just a follow-up as relates to our telephone conversation this morning regarding the Notice to File Missing Parts. As you can see, the NTFMP should be withdrawn. As per your request, I am faxing to you a copy of the PTO Transmittal Letter originally sent to the PTO office on August 9, 2000 authorizing them to deduct total filing fee cost from Advanced Micro Devices Inc. Deposit Account. In addition, I am hereby faxing to you a photocopy of the patent postcard evidencing PTO office receipt of same. Please take care of this matter at your earliest convenience.

Kathy Danas

**CONFIDENTIALITY NOTE**

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07/30/2002

09:33

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## MESSAGE CONFIRMATION

10/19/2000 14:50

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DATE	S.R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT
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## WILLIAMS, MORGAN &amp; AMERSON, P.C.

7676 Hillmont, Suite 250, Houston, TX 77040  
(713) 934-7000 Fax (713) 934-7011**Fax**

To: Attn: Vernon

From Kathryn Danes

Fax: 703 308-7751

Phone: 713 934-4076

No. of

Pages: 4 6

Date: October 19, 2000

Re: 2000.046600/TT3851

File: S/N 09/634.209

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